WHAT IS CLAIMED IS:

1. A method of tracking repeatable runout, the method comprising:
providing a feedforward signal for track following, the feedforward signal having harmonic components that are updated at a sample rate that is a fraction of a servo sector sample rate.

2. The method of claim 1 wherein the updating of the harmonic components is distributed over a plurality of servo sectors.

3. The method of claim 1 further comprising utilizing an interpolation filter to suppress high frequency repeatable runout components.

4. The method of claim 1 wherein the feedforward signal is determined as a function of fractional-rate RRO compensation data, which is computed for a number of sampling points that are less than a number of servo sectors.

5. The method of claim 4 further comprising storing the fractional-rate RRO compensation data prior to determining the feedforward signal as the function of the fractional-rate RRO compensation data.

6. The method of claim 4 wherein the fractional-rate RRO compensation data is determined from a calibration procedure.

7. The method of claim 6 wherein the calibration procedure is a factory calibration procedure that is carried out during manufacture of the disc drive.

8. The method of claim 6 wherein the calibration procedure is a startup calibration procedure that is carried out during initial startup of the disc drive.

9. The method of claim 6 wherein the calibration procedure is a refined calibration procedure that is carried out subsequent to initial startup of the disc drive.

10. A servo loop comprising:

a feedforward compensator configured to provide a feedforward signal for track following, the feedforward signal having harmonic components that are updated at a sample rate that is a fraction of a servo sector sample rate.

11. The apparatus of claim 10 wherein the feedforward compensator is configured to distribute the updating of the harmonic components over a plurality of servo sectors.

12. The apparatus of claim 10 further comprising an interpolation filter configured to suppress high frequency repeatable runout components.

13. The apparatus of claim 10 wherein the feedforward compensator is configured to determine the feedforward signal as a function of fractional-rate RRO compensation data, which is computed for a number of sampling points that are less than the number of servo sectors.

14. The apparatus of claim 13 wherein the fractional-rate RRO compensation data is stored in a memory.

15. The apparatus of claim 14 wherein the memory is a non-volatile memory.

16. The apparatus of claim 13 wherein the fractional-rate RRO compensation data is determined from a calibration procedure.

17. The apparatus of claim 16 wherein the calibration procedure is a factory calibration procedure that is carried out during manufacture of the disc drive.

18. The apparatus of claim 16 wherein the calibration procedure is a startup calibration procedure that is carried out during initial startup of the disc drive.

19. The apparatus of claim 16 wherein the calibration procedure is a refined calibration procedure that is carried out subsequent to the initial startup of the disc drive.

20. A disc drive comprising:

a disc having tracks; and

a feedforward compensator configured to provide a feedforward signal for track following, the feedforward signal having harmonic components that are updated at a sample rate that is a fraction of a servo sector sample rate.